

**CENTRAL VALLEY PROJECT
SCHEDULE OF IRRIGATION CAPITAL AND PROJECT USE ENERGY COSTS BY COMPONENT
AS OF SEPTEMBER 30, 2002
2004 IRRIGATION WATER RATES**

Allocation of Project Use Energy Costs							
Component/Facility		Irrigation Capital Costs at 09/30/02	Historical & Projected (1981-2030) KWH Per AF	Ratio of Total	Central Valley Project		Total Capital at 09/30/02
					(BOR)	(DOE)	
					3/	3/	
Storage	1/, 7/, 8/		3/				
San Felipe Unit Contractors		4,113,572					4,113,572
All Other Contractors		365,719,809	11,536,896,286	0.201408	18,337,356	7,786,201	391,843,365
Total Storage	2/	369,833,380	11,536,896,286	0.201408	18,337,356	7,786,201	395,956,937
Conveyance							
Contra Costa WD	6/, 8/	199,802					199,802
All Other Contractors	4/	400,947,675					400,947,675
Total Conveyance		401,147,478					401,147,478
Conveyance Pumping							
Corning Pumping Plant		2,563,888	117,930,696	0.002059	187,445	79,591	2,830,924
Dos Amigos Pumping Plant		13,074,635	7,974,646,044	0.139219	12,675,326	5,382,054	31,132,015
O'Neill Pump-Generator Plant		11,392,466	3,286,716,900	0.057379	5,224,082	2,218,191	18,834,740
Tracy Pumping Plant		22,516,827	25,720,336,810	0.449019	40,881,269	17,358,542	80,756,638
Total Conveyance Pumping		49,547,816	37,099,630,450	0.647676	58,968,123	25,038,378	133,554,316
Direct Pumping	7/						
Bella Vista WD (Wintu PP)		870,019	274,804,802	0.004797	436,789	185,465	1,492,273
Colusa County WD Canalside Relifts		12,635,431	370,089,995	0.006461	588,241	249,772	13,473,444
Colusa Service Area - Cortina		141,792					141,792
Colusa Service Area - Davis		180,305					180,305
Contra Costa Pumping Plants			5,499,517	0.000096	8,741	3,712	12,453
Corning WD Canalside Relifts		2,779,735	185,131,435	0.003232	294,258	124,944	3,198,937
Dunnigan WD Canalside Relifts		1,700,234	4,189,654	0.000073	6,659	2,828	1,709,720
Kanawha WD Canalside Relifts		2,753,824	47,608,405	0.000831	75,671	32,131	2,861,626
Orland-Artois WD Canalside Relifts		7,496,789	102,273,368	0.001785	162,559	69,024	7,728,372
Panoche WD Relifts		16,025	2,584,593	0.000045	4,108	1,744	21,877
Proberta WD Canalside Relifts		172,158	8,155,426	0.000142	12,963	5,504	190,625
San Benito County WD:							
Pacheco Pumping Plant		5/	230,329,530	0.004021	366,098	155,448	521,546
Gianelli, William R. Pump-Generator Plant	1/	177,980	339,905,900	0.005934	540,264	229,401	947,645
San Luis WD Canalside Relifts & Turnouts		8,244,184	1,316,662,198	0.022986	2,092,773	888,610	11,225,567
Santa Clara Valley WD:							
Coyote Pumping Plant		5/	43,550,683	0.000760	69,222	29,392	98,614
Pacheco Pumping Plant		5/	151,311,745	0.002642	240,503	102,120	342,623
Gianelli, William R. Pump-Generator Plant	1/	116,921	223,296,400	0.003898	354,919	150,702	622,542
State-Delta Pumping Plant (Cross Valley Canal)			1,375,204,223	0.024008	2,185,823	928,119	3,113,942

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		Historical & Projected (1981-2030) KWH Per AF	Ratio of Total	Central Valley Project		
				(BOR)	(DOE)	
				3/	3/	
Westlands WD:						
Pleasant Valley Canalside Relifts	1,341,825	12,613,115	0.000220	20,048	8,513	1,370,386
Pleasant Valley Pumping Plant	9,907,738	924,028,499	0.016131	1,468,700	623,623	12,000,060
Westlands WD Canalside Relifts	36,315,985	2,973,260,922	0.051906	4,725,859	2,006,641	43,048,484
Westside WD Canalside Relifts	7,002,377	54,162,722	0.000946	86,089	36,554	7,125,020
Total Direct Pumping	91,853,322	8,644,663,132	0.150916	13,740,287	5,834,245	111,427,854
San Luis Drain	59,181,552					59,181,552
Grand Total	971,563,548	57,281,189,868	1.000000	91,045,765	38,658,823	1,101,268,136
OUT-OF-BASIN COSTS - SAN FELIPE UNIT						
	5/					
Conveyance	64,382,319					64,382,319
Direct Pumping	14,181,547					14,181,547
Total	78,563,866					78,563,866

Footnotes:

1/ Allocation of Storage Costs:

	San Felipe Unit				Total
	Storage	Suballocation of Storage Costs (Dir. Pump. Appl. to SL/PG)		All Other Storage Contractors	
		San Benito	Santa Clara		
Historical and Projected 1981-2030 Irrigation Del. (Sch A-7)	1,815,610	1,095,764	719,847	150,620,105	152,435,715
Ratios	0.011911	0.603524	0.396476	0.988089	1.000000
Allocated Gianelli, WR Pump-Generator Costs	294,901	177,980	116,921	24,464,510	24,759,411
Allocated Other Storage Costs	4,113,572			341,255,299	345,368,871
Total	4,408,473	177,980	116,921	365,719,809	370,128,281

2/ Includes \$14,534,810 adjustment for Corps of Engineers Obligations Assumed (Hidden & Buchanan).

3/ These costs represent the total Pumping Project Use Power costs allocated to Irrigation for the CVP Bureau of Reclamation (BOR) and Western Area Power Administration (DOE). The costs are allocated to components based on the ratios identified above under "Allocation of Project Use Energy Costs". They are then suballocated to individual facilities based on the historical and projected 1981-2030 KWHs/AF.

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Footnotes: (continued)

- 4/ Glide WD does not have a distribution system, therefore the cost of the Relift Pumping Plant is included in conveyance for ratesetting purposes.
- 5/ These costs are part of the total Out-of-Basin costs, which are the specific repayment responsibility of the Out-of-Basin contractors (San Benito County WD and Santa Clara Valley WD). As a result, they are excluded from allocation to the In-Basin contractors.
- 6/ Contra Costa Water District's conveyance facility costs are handled through a repayment contract.
- 7/ The Storage, Conveyance, and Direct Pumping components per Table 20 - Capital Costs for 2004 Water Service Rates Central Valley Project, California as of September 30, 2002 differ from those shown in Ratesetting Schedule A-5. The differences are attributed to (1) the direct pumping costs of the Gianelli WR Pump-Generator allocated to San Felipe Unit Contractors (see Footnote 1/); (2) the allocation of Direct Pumping costs to the San Felipe Unit - these costs are treated as Out-of-Basin costs; and (3) the treatment of Glide WD Relift Pumping Plant costs (see Footnote 4/).
- 8/ Legislation was passed which provides that Sugar Pine Dam and Reservoir and Sly Park Dam and Reservoir costs be excluded, in part, from reimbursement. However, due to the timing of the title transfer payments, the costs will be removed in the 2005 water rates.

Reconciliation of Capital Costs for 2004 Water Service Rates CVP CA as of September 20, 2002 - Table 20 with Ratesetting - Schedule A-5:

Total Capital Costs @ 9/30/02 Per Schedule A-5	1,101,268,136		
Less: Storage	370,128,281	7/	
Conveyance			
(In-Basin)	401,147,478	7/	
(Out-of-Basin)	64,382,319		
Conveyance Pumping	49,547,816		
Direct Pumping:		7/	
(In-Basin)	91,558,421		
(Out-of-Basin - Includes PUE)	14,181,547		
San Luis Drain	59,181,552		
Project Use Energy (BOR)	91,045,765		
Project Use Energy (DOE)	38,658,823		
Subtotal	(78,563,866)		
Add: Out-of-Basin Costs			
Conveyance	64,382,319		
Direct Pumping (Includes PUE)	14,181,547		
Difference	0		78,563,866

Sources:

Schedules A-7 and A-12
Table 20 - Capital Costs for 2004 Water Service Rates Central Valley Project, California As of September 30, 2002
Financial Statement for Period Ending September 30, 2002 Central Valley Project, California - Consolidated
CVO Schedule of KWH's per acre foot